

KOTZIN ET AL.
"Emergency Deployable GPS Antenna"
Atty. Docket No. CS 10455

Appl. No. 10/628,200
Confirm. No. 6111
Examiner S. Chen; AU 2821

Reconsideration Request & Claims Pending

The non-final Office action mailed on 14 April 2006 has been considered. Kindly reconsider the instant application in view of the discussion below.

Claims 1, 3-17, 24-26, 31 and 32 have been allowed. Claim 30 stands objected to but was indicated as being allowable. Claims 27 and 29 stand rejected.

Claims 1-17, 24-27 and 29-32 are pending.

Patentability of Claims Over Lee & Marino

Rejection Summary

Claims 27 and 29 stand rejected under 35 USC 103(a) as being unpatentable over U.S. patent No. 6,337,671 (Lee) in view of U.S. Patent No. 5,451,974 (Marino).

The Examiner admits that Lee fails to disclose "... an antenna deployment system having a solenoid operatively coupled to the antenna [wherein] the antenna [is] movable to one of the docketed position or the deployed position when the solenoid is energized."

The Examiner contends however that it would have been obvious "... to replace the driving unit [gear driven antenna of Lee] with a motor for automatically extracting/retracting an antenna."

KOTZIN ET AL.
"Emergency Deployable GPS Antenna"
Atty. Docket No. CS 10455

Appl. No. 10/628,200
Confirm. No. 6111
Examiner S. Chen; AU 2821

Allowability of Claim 27

Regarding Claim 27, Lee and Marino fail to disclose or suggest a

... portable wireless communication device, comprising:
at least one of a wireless receiver and wireless transmitter;
an antenna coupled to the at least one of the wireless receiver
and wireless transmitter;
an antenna deployment system having a solenoid operatively
coupled to antenna,
an antenna chamber, the antenna substantially contained within
an antenna chamber,
the antenna movable between a docked position and a deployed
position extending at least partially from the antenna chamber, the
antenna movable to one of the docked position or the deployed
position when the solenoid is energized.

Discussion

Contrary to the Examiner's assertion, there is no motivation in the prior art to replace the gear driven antenna retraction/extension device of Lee with the solenoid drive of Marino. Lee is concerned with reducing external forces acting on an electric drive motor (20) that rotates a coil spring (32) to retract or extract the antenna. Lee, col. 1: 31-35; 45-49; and 52-56. The solenoid of Marino is not capable of rotating the antenna retracting/extending coil spring of Lee, since the solenoid merely extend and retracts. Replacing the rotating motor of Lee with the solenoid of Marino would create a problem that would not be solved by the teaching of Lee. Claim 27 is thus patentably distinguished over Lee and Marino.

KOTZIN ET AL.
"Emergency Deployable GPS Antenna"
Atty. Docket No. CS 10455

Appl. No. 10/628,200
Confirm. No. 6111
Examiner S. Chen; AU 2821

Prayer for Relief

In view of the discussion above, the Claims of the present application are in condition for allowance. Kindly proceed with substantive examination of the instant application without further delay.

Respectfully submitted,

MOTOROLA, INC.
INTELLECTUAL PROPERTY DEPT. (RKB)
600 NORTH U.S. HIGHWAY 45, AN475
LIBERTYVILLE, ILLINOIS 60048

ROLAND K. BOWLER II 26 MAY 2006
REG. NO. 33,477

TELEPHONE NO. (847) 523-3978
FACSIMILE NO. (847) 523-2350